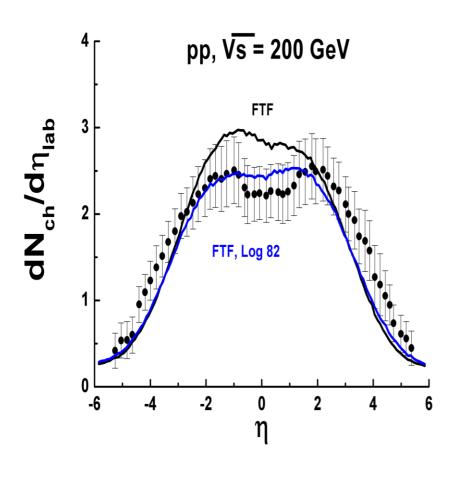
V. Uzhinsky, 20 Feb. 2013

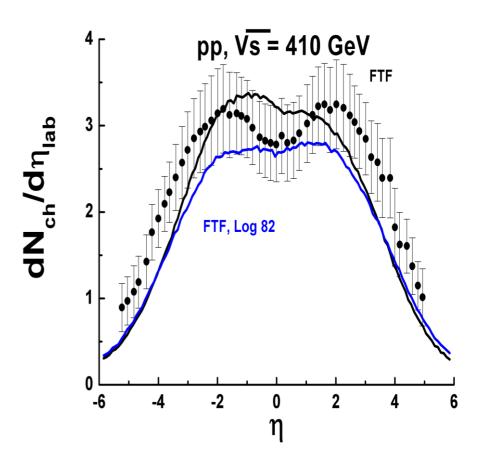
hadr-string-diff-V09-06-10 had-partonstring-mgt-V09-0604 Part. String. Manag. had-theo-HE-V09-06-03 had-binary-V09-06-01

FTF model for Nucl-Nucl **High energy generators** Proj. nucleus residual

- RHIC Beam Energy Scan (BES) program, Ecms=7.7 200 GeV/NN
- LHC Nucl-Nucl: O+O, N+N, S+S, Fe+Fe, no deuteron beams **NA61/SHINE** continuation of NA49
 - 1. Glauber approximation
 - 2. Correction of the number of collisions
 - Reggeon cascade in proj. and target
 - 4. Energy-momentum conservation
 - 5. Low energy extension (E > 200-300 MeV/N)
 - 6. Excited nuclear residuals
 - 7. De-excitation of the residuals

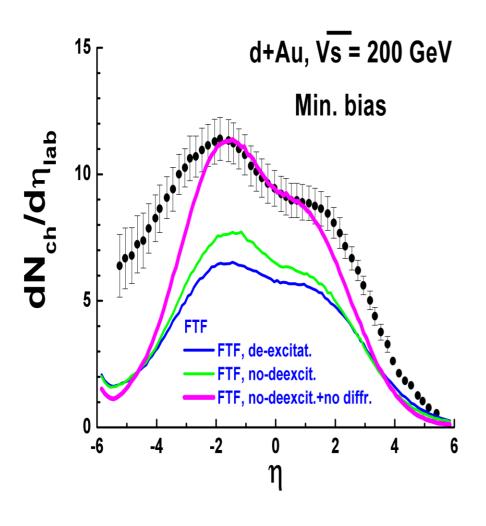
Check of model for pp-interactions

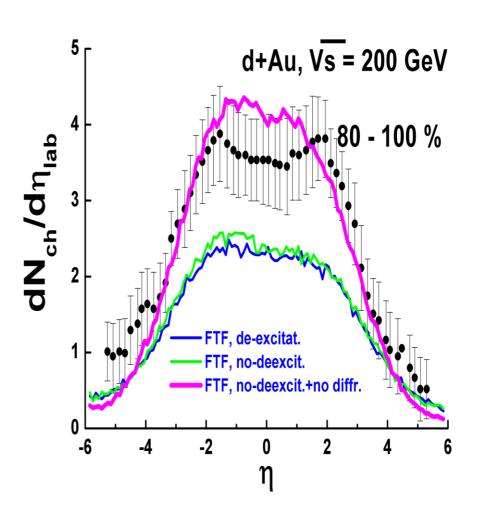




All O.K.

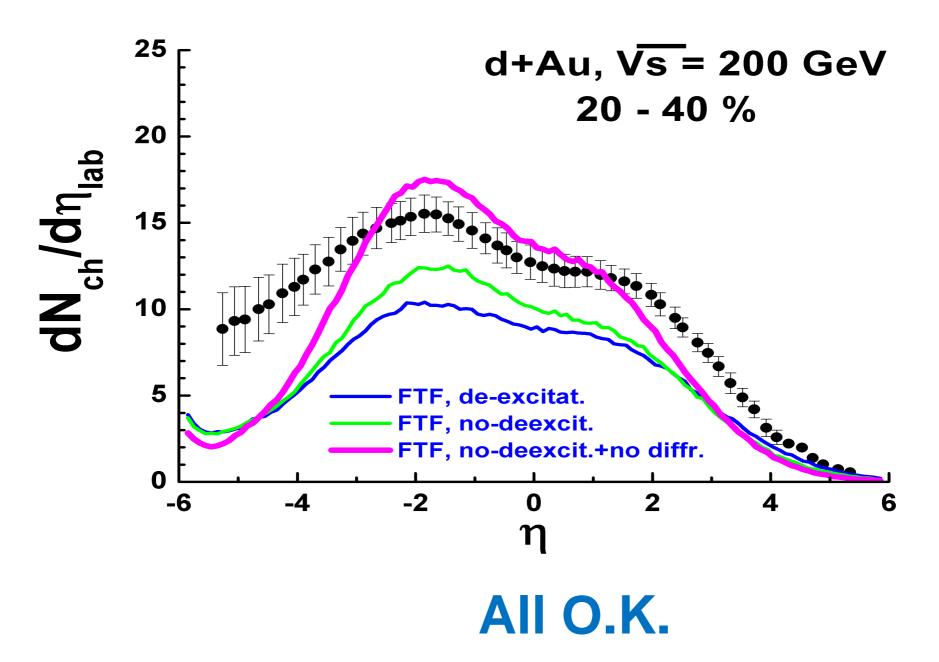
Check of model for dAu-interactions



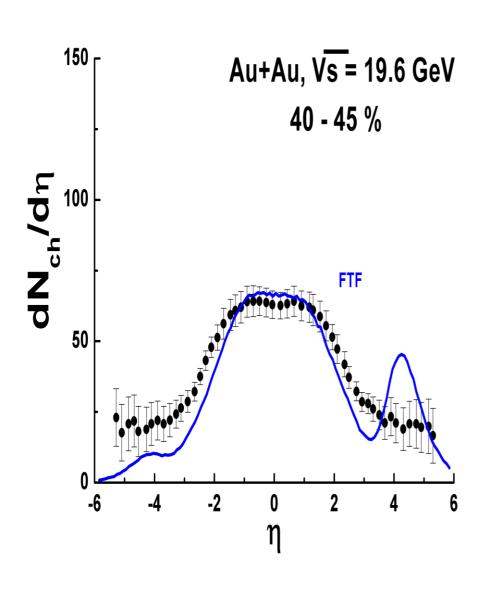


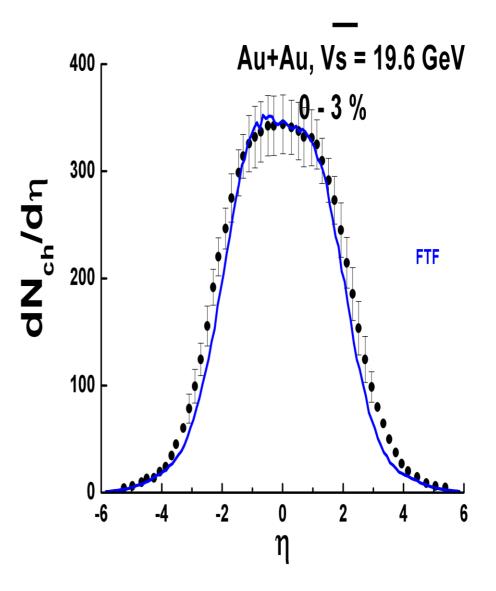
All O.K.

Check of model for dAu-interactions



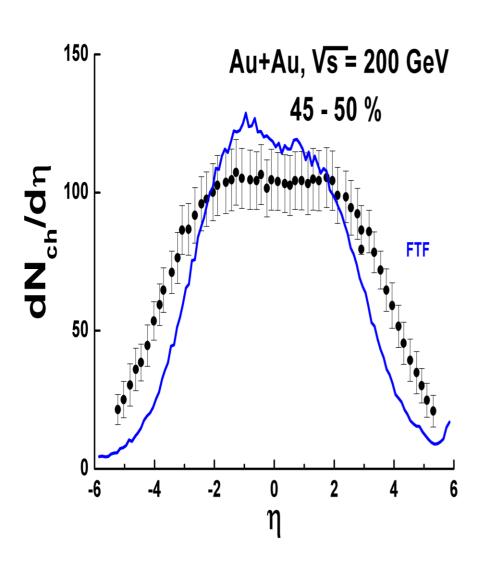
Check of model for AuAu-interactions at 19.6 GeV

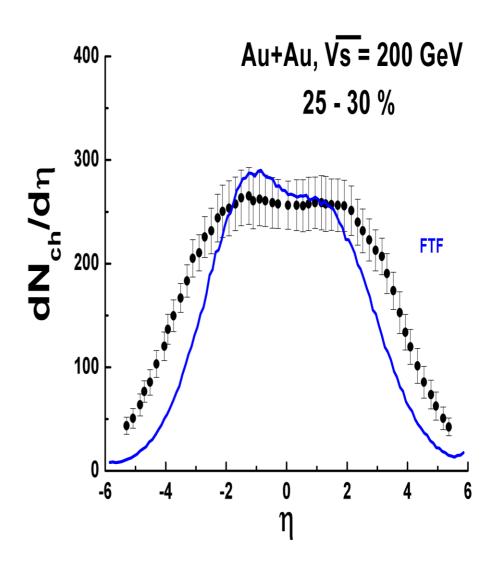




All O.K.

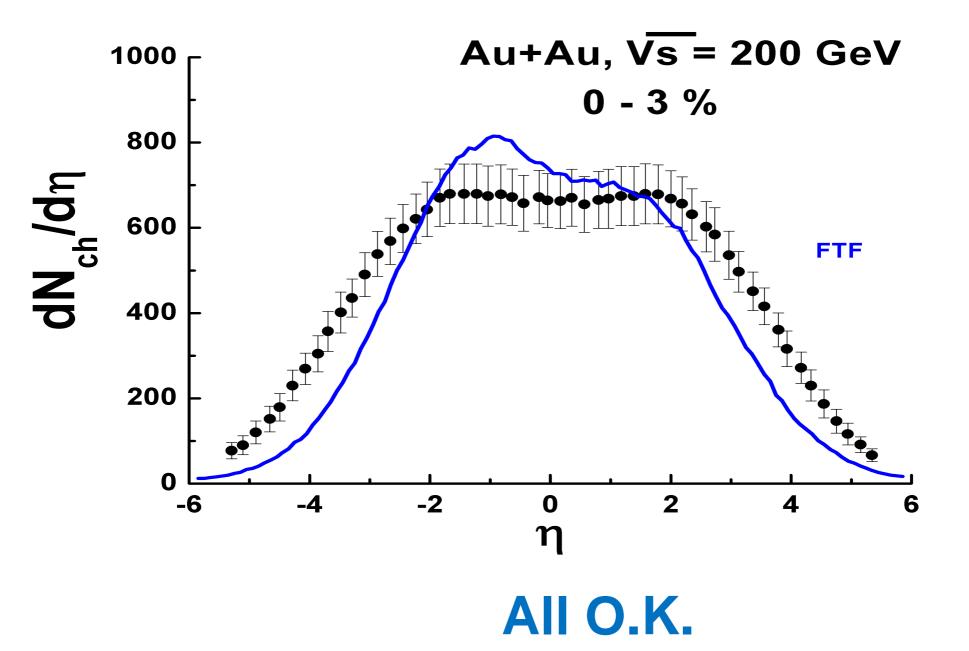
Check of model for AuAu-interactions at 200 GeV



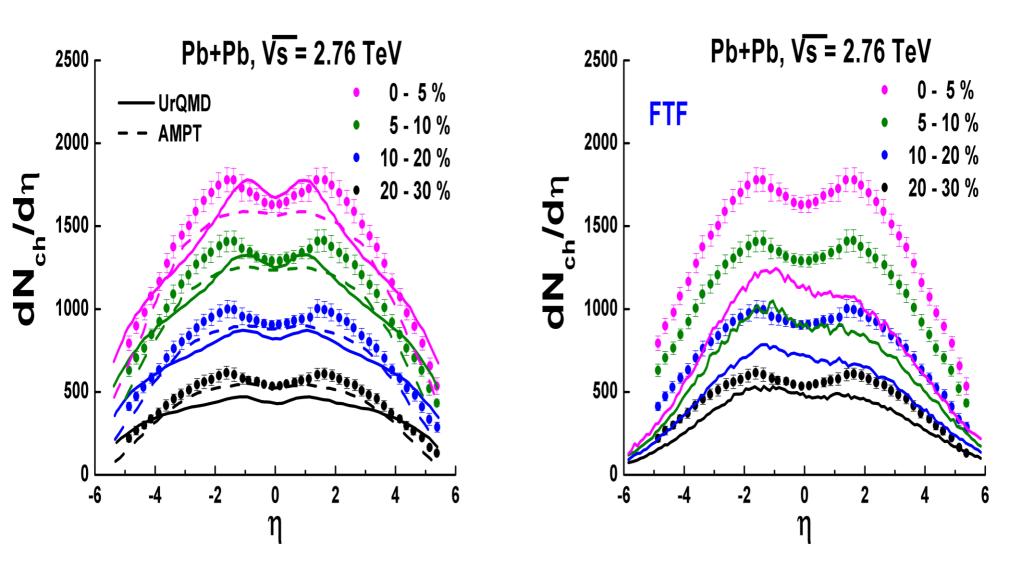




Check of model for AuAu-interactions at 200 GeV



Check of model for PbPb-interactions at 2760 GeV



Not O.K.

Conclusion

FTF works well!

FTF predictions for RHIC energies are meaningful!

There is a problem at LHC energies!

High mass diffraction???

Tasks:

Validation of FTF model for hA interactions Validation of FTF model for AA interactions

Documentation of FTF Improvement of QGSM